

TRICONEX SAFETY SYSTEM

Product Data Sheet

2551

Digital input terminator

FUNCTION Digital input terminator	FAMILY Triconex safety system	ORIGIN United States	WEIGHT 2.75 kg
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Triconex 2551 is a Digital input terminator for the Triconex safety system. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Component Type	Digital input terminator
Order Reference	2551
System Platform	Triconex safety control system
Primary Function	Terminates external digital inputs
Channel or Port Capacity	Documented field-point set
Electrical Classification	Discrete field input circuits
Compatible Hardware	Matching Tricon input module
Mounting Arrangement	External termination assembly
Connection Interface	Numbered terminals and interface cable
Diagnostic Coverage	Continuity and state-change testing

Documented Variant	Legacy DI external terminator
Operating Environment	0 to 60 °C controller service
Storage Environment	–40 to 75 °C equipment storage
Relative Humidity	5 to 95% non-condensing
Commissioning Requirement	Verify every affected safety path

- Transfer discrete field wiring: Move conductors one point at a time while retaining terminal numbers, commons, spare cores and shield or earth practice.
- Connect the approved input path: Inspect the interface cable, keyed connector and associated input module before the terminator is energised.
- Complete point-to-point testing: Operate every connected switch or relay contact and verify the corresponding controller state and safety logic input.

Match 2551 to the installed Triconex safety system, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

[Tricon Technical Product Guide](#)

<https://www.se.com/ww/en/work/products/industrial-automation-control/triconex-safety-systems/>

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